# ALBERTA FOUNDATION FOR NURSING RESEARCH

## Annual Report

**March 31, 1989**

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# Alberta Foundation for Nursing Research

## Annual Report

## April 1, 1988 - March 31, 1989

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# Chairman's Report

The fiscal year 1988-89 was characterized by both change and stability.

Dr. Shirley Stinson asked the Honourable David Russell to accept her resignation prior to the end of her second term as Chairman of the Board. At an event held to honour Dr. Stinson's remarkable leadership, the Minister of Advanced Education recognized her shaping of both the substance and direction of the Foundation from its beginning in 1982. Everyone who had the opportunity to work with Dr. Stinson has a sense of her intense commitment to improving nursing care and our understanding of nursing through studies which meet high standards for funding.

The transfer of AFNR from the Department of Advanced Education to Technology, Research and Telecommunications was arranged with the involvement of the Departments, AFNR and the Alberta Heritage Foundation for Medical Research. AHFMR has provided excellent support for AFNR and many adaptations of the secretarial function have been made this year. The University of Calgary provides sound disbursement and accounting resources.

In January of 1989, the Board approved a number of new appointees to the Scientific Review Committee. Dr. Marilynn Wood was appointed Chairman of the Scientific Review Committee and Vice-Chairman of the Foundation. A number of changes in the review process have been made with the combined efforts of Dr. Wood and Terrie Pawsey of AHFMR. Our continued goal is to assure that investigators receive feedback on proposals that enhance their current and future proposals.

Extended funding of the Foundation for both grants and administrative costs has been committed by the Government of Alberta until 1993. The challenge for the Foundation is to explore alternate futures which will result in stable funding for research and for transferring it to practice. The options have been narrowed to: 1) continuing the current Departmental relationship with annual funding review; 2) establishing an independent society for nursing research; and 3) seeking to establish an endowment of sufficient size to maintain the impetus for research and to better assure the use of research in practice or in the education of people for practice. Each option has a different impact on the Foundation and ultimately on nursing care in our communities, homes and institutions.

The members of the Board have been a stabilizing factor in the many changes of the past year. Each member has offered to provide leadership or to help with the tasks confronting the Board. Their expertise in writing, lobbying or critiquing changes has supported our work of achieving the mandate set for us in 1982. My special thanks go to each of them.

The queries from Members of the Legislative Assembly about funding and studies have been an encouragement. Publications by investigators whom we funded previously remind us of the outcomes we seek. The international recognition fostered by AFNR grants grows. The involvement of staff nurses and students in studies will lead to more critical consumers of nursing and health-related research. The positive

nature of these observations gives a sense of progress.

In the year ahead we will find a way of creating change where it will serve the mandate of the Foundation well and seeking stability where it is wise to conserve energy for the future.

Alberta has made an unique contribution to nursing research through its funding. We believe that the return on the investment is excellent. Some of the funded studies are early steps in understanding some part of nursing or its practice - others have more direct application. Albertans will gain from soundly based, well evaluated approaches to nursing in health and illness fields. Research is one of the required elements in making that happen.

Joy D. Calkin RN, PhD

Chairman

March 31, 1989

# Board of Directors Report

In this sixth year of operation, the Board of Directors met on three occasions to conduct Foundation business - June 20 and 21, 1988, September 22, 1988 and January 25, 1989.

The Foundation welcomed two new members to the Board of Directors over the 1988-89 year: Dr. Pamela Brink of the University of Alberta, who replaced Dr. Shirley Stinson of the University of Alberta; and Dr. Colleen Stainton of the University of Calgary, who replaced Dr. Lorraine Wright of the University of Calgary. When Dr. Shirley Stinson, the first Chairman of the Foundation for the period 1982-1988 resigned as Chairman on June 30, 1988, Dr. Joy Calkin of the University of Calgary was appointed Chairman. Dr. Marilynn Wood of the University of Alberta was elected Vice-Chairman and Chairman of the Scientific Review Committee.

During the 1988-89 year, the Foundation held two grant competitions - the first competition closed on March 1, 1988 and the second on October 15, 1988. For the March 1 competition, the Foundation funded 17 proposals for a total of $119,930; for the October 15 competition, 15 proposals were funded for a total of $160,474. The guidelines for grant proposals were reviewed and revised.

On April 21, 1988, the Deputy Premier and the Minister of Advanced Education announced the Government of Alberta would provide the Alberta Foundation for Nursing Research with a minimum of $200,000 annually for a five year period. In addition, the Foundation's Board of Directors received a $50,000 grant to cover administration expenses. The announcement acknowledged the success of the Foundation's Board of Directors in fostering an increased awareness of the potential of nursing research to improve nursing care within a broad spectrum of health care delivery.

The Board continues to explore the possibility of endowment funding and an autonomous structure for the development of nursing research in Alberta. On June 30, 1988, a "Submission to the Premier's Commission on Future Health Care for Albertans" was made which incorporated recommendations for a long-term structure and funding of the Alberta Foundation for Nursing Research. A proposal for ongoing funding for AFNR will be submitted to government in the coming year. See Appendix A for Board Membership.

# Scientific Review Committee Report

The Scientific Review Committee (SRC), chaired by Board Member Dr. Marilynn Wood, is composed of four researchers: three from nursing and one external-to-nursing. Members are chosen by the Board from nominations submitted to AFNR. The SRC serves in an advisory capacity to the Board in relation to proposals submitted to the twice-yearly competitions.

Proposals submitted for funding in the major categories (research projects or demonstration projects) are sent to three expert external reviewers. The reports and recommendations of these reviewers are available to the SRC members when they review the proposals. Additionally, each proposal (all categories) is also assigned a primary and secondary reviewer from the SRC.

At the SRC meetings, in-depth discussion is held regarding the scientific merit and relevance of each proposal, resulting in a recommendation from the Committee. These recommendations are submitted to the Board of Directors for final decisions regarding funding.

This past year, the SRC met on two occasions. See Appendix B for Committee Membership.

# Public Relations Committee Report

At the January 1989 meeting of the Board, a new Public Relations Committee was formed. Members include Dr. Joanne Scholdra and Ms. Kathleen Oberle. The mandate of this committee is to increase visibility of the Foundation and to raise awareness of nursing research among members of the nursing community. It was decided that a series of articles about Foundation activities would be prepared for publication in the *Alberta Association of Registered Nurses Newsletter*. Discussions were also initiated regarding the continued publication of a Foundation newsletter. An evaluation of the use of news releases was also undertaken. The Public Relations Committee will prepare and present to the Board a long range publicity plan at its September 1989 meeting.

# Research Activities

Nursing research in Alberta encompasses a wide variety of areas. Many of the projects explore better ways of caring for patients while others delve into the perceptions of nurses and patients in specific care situations. The goal common to all projects is the improvement of the quality of nursing care for patients.

The following are only two of the many projects funded in the reporting period. They are offered as a means of outlining the kinds of research funded by the Foundation. If you wish further information on these or other research projects, please contact the Foundation.

**Assessing Intramuscular Injection: Technique, Site and Pain Perception - Ms. Maureen McQueen**

Can anything be done to make an injection less painful? Ms. McQueen sought an answer to this question. She investigated the possibility of whether a different site or a different technique might make the difference. Patients receiving injections were asked to rate the pain associated with injection. Two sites, one the traditional buttock site and another higher on the hip, were compared. Two different techniques were used. All measures were carefully controlled.

While Ms. McQueen discovered no measurable difference related to a nurse's method of injecting a patient, she did find that injection higher on the hip was definitely less painful than an injection in the more traditional site. This study is important in that it challenged standard practice. The information found can be used to guide nursing practice and to teach students.

**The Effect of Context on Information Giving for Parents of Schizophrenic Children - Ms. Kevyn Rosenthal**

Dustin Hoffman's portrayal of Raymond Babbet in the movie "Rain Man" may have brought attention to autism, but it does not illustrate the distress for families coping with the demands of a autistic child.

Ms. Rosenthal, an experienced psychiatric nurse, was interested in finding better ways of helping families with this problem. She compared the effectiveness of a group teaching/support program with a more standard written information package.

Group discussion was the overwhelming choice of participants who experienced greater relief of stress than the families chosen to receive information through the mail.

# Grant Categories

The Foundation accepted proposals in the following categories for the 1988/89 competitions.

**Research Project - Maximum $50,000**

This grant enabled the applicant to develop and test instruments; to conduct original investigations, replication studies or studies using existing data which apply to the solution or management of problems pertaining to nursing practice.

**Demonstration/Evaluation Program Grant - Maximum $50,000**

This grant enabled the applicant to investigate the implementation and evaluation of innovations in the organization and delivery of nursing care or education.

**Facilitation Grant - Maximum $2,500**

This grant enabled the applicant to conduct pilot studies, develop instrument validity and reliability, field test instruments, conduct literature searches which are an integral part of the overall project, and access professional consultation services or other related resources.

**Conference/Workshop - Maximum $25,000**

This grant enabled an applicant to conduct a provincial, national or international conference or workshop designed to facilitate and/or communicate nursing research.

**Research Support Service Grant - Maximum $50,000**

This grant enabled development of a nursing research infrastructure, sustainable beyond the period of funding to establish or strengthen institutional research development programs.

**Studentship Award**

This grant enabled:

a. an undergraduate baccalaureate degree nursing student or Registered Nurse enrolled in a master's program, to conduct an independent investigation or research project, Value = $1,000 or;

b. a Registered Nurse to conduct an independent investigation or research project while registered in a doctoral program in nursing or a related discipline, Value = $2,000

# 1988/89 AWARDS

The proposals approved for funding from the applications received for the March 1, 1988 and October 15, 1988 competitions are listed below.

| Principal Investigator & Co-Investigator(s) | Affiliated Institution or Agency | Project Title | Funding $ |
|---|---|---|---|
| **RESEARCH PROJECT GRANTS** | | | |
| DAVIS, Dr. Teresa M.A.<br>MAGUIRE Dr. T.O.<br>HARAPHONGSE, Dr. M. | University of Alberta | Evaluation of the Effects on Patient Anxiety of Tailoring the Content of a Videotaped Information Package to Individual Differences in Coping Styles | 18,173.00 |
| FORREST, Ms. I. Darle<br>ROSS, Dr. J.<br>GIOVANNETTI, Dr. P.B. | University of Alberta | Monitoring the Quality of Nursing Care: Design and Testing of an Instrument | 49,728.00 |
| KERR, Dr. Janet C. | University of Alberta | The Origins of Nursing in Alberta 1859 - 1909 | 45,746.00 |
| MANSELL, Ms. Diana<br>ALLEMANG, Dr. M. | University of Calgary | Leadership Patterns in the Nursing Profession: Canada 1918 - 1950 | 23,727.00 |
| MORSE, Dr. Janice M. | University of Alberta | Nurses' Perceptions of Gift Giving by Patients | 50,000.00 |
| REIMER, Ms. Marlene<br>CONRAD, Ms. B<br>NEWCOMMON, Ms. N<br>ANNEAR, Ms. D. | University of Calgary | Validity and Usefulness of Cognitive Functioning Scales with Patients Hospitalized for Head Injury | 13,095.00 |
| | 6 AWARDS GRANTED | | 200,469.00 |
| **DEMONSTRATION/EVALUATION GRANTS** | | | |
| MUNRO, Dr. Margaret F. | University of Calgary | A Reliability Study of a Pilot Instrument to Evaluate Clinical Competence in Undergraduate Nursing Students | 22,519.00 |
| | 1 AWARD GRANTED | | 22,519.00 |

| Principal Investigator & Co-Investigator(s) | Affiliated Institution or Agency | Project Title | Funding $ |
|---|---|---|---|
| **FACILITATION GRANTS** | | | |
| GOODMAN, Ms. June R. | Calgary Health Services | Cross-Cultural Needs Assessment of Perinatal Women | 2,500.00 |
| HIBBERD, Dr. Judith M. | University of Alberta | The Effectiveness of Nurses' Professional Responsibility Committees | 1,375.00 |
| LANDER, Dr. Janice<br>OBERLE, Ms. K.<br>SCHULZ, Ms. M<br>FINLAY, Ms. C. | University of Alberta | Pain and Pain Management in Acute Care Settings | 458.00 |
| MONSMA Mrs. Margery<br>ST. ARNAUD, Ms. S.<br>DAY, Dr. R. | Glenrose Hospital | Glenrose School Hospital Handwashing Program | 2,500.00 |
| THURSTON, Ms. Norma E. | Foothills Hospital | Patient Contracting: Pre-Operative Teaching with Surgical Patients | 2,500.00 |
| | 5 AWARDS GRANTED | | 9,333.00 |
| **RESEARCH SUPPORT SERVICE GRANTS** | | | |
| OBERLE, Ms. K. | University of Alberta Hospitals | Research Support Service | 24,083.00 |
| | 1 AWARD GRANTED | | 24,083.00 |
| **STUDENT GRANTS** | | | |
| BRUNT, Mr. John H. | University of Calgary | Coronary Heart Disease in the Hutterite Population of Alberta: Prevalence, Mortality and the Etiologic Role of Family History | 2,000.00 |
| deCANGAS, Mr. Jose P. | University of Alberta | A Study of a Comprehensive Community Living Treatment Program for the Chronically Mentally Ill | 1,000.00 |
| GAMBLE, Ms. Diane | University of Alberta | Breastfeeding: The Male Perspective | 1,000.00 |
| GREENHALGH, Ms. Joanna R. | University of Alberta | An Ethological Evaluation of Infant Responses to Two Methods of Comforting | 1,000.00 |

| Principal Investigator & Co-Investigator(s) | Affiliated Institution or Agency | Project Title | Funding $ |
|---|---|---|---|
| **STUDENT GRANTS (cont.)** | | | |
| GUILLEMAN, Ms. Evelyn J. | Calgary General Hospital | Implementation of CNA Standards for Nursing Administration | 2,000.00 |
| HOOPFER, Ms. Donna L. | University of Alberta | Post Basic Baccalaureate Nursing Education: The Nurses' Experience | 1,000.00 |
| KONOPAD, Ms. Elsie | University of Alberta | Comparison of Oral, Axillary, Rectal and Tympanic Membrane Temperatures of Patients in ICU With and Without an Oral Endotracheal Tube in situ | 1,000.00 |
| LASKIWSKI, Ms. Sharon | University of Alberta | An Ethnography of a Spinal Cord Injury Unit | 1,000.00 |
| McCLELLAND, Ms. Patricia | University of Alberta | The Effect of Early Engorgement on Complications of Lactation and Duration of Breastfeeding | 1,000.00 |
| McQUEEN, Ms. Maureen | University of Alberta | Assessing Intramuscular Injection: Technique, Site and Pain Perception | 1,000.00 |
| MOLZHAN, Ms. Anita E. | University of Alberta | Perceptions of Patients, Physicians and Nurses Regarding the Quality of Life of Patients with End Stage Renal Disease | 2,000.00 |
| MOORE, Ms. Katherine N. | University of Alberta | Comparison of Two Methods of Cleaning Catheters Used for Clean Intermittent Catheterization: Savlon 1:30 Aqueous and Sunlight Detergent | 1,000.00 |
| PARKER, Mr. John H. | University of Alberta | Risk Factors and Myocardial Infarction in Females: A Comparison with Males | 1,000.00 |
| RICHARDSON, Ms. Sharon L. | University of Alberta | Implementing Baccalaureate Entry into Nursing Practice in Alberta: An Analysis of the Articulation Policy Issue | 2,000.00 |
| ROMANIUK, Ms. Camille | University of Alberta | Patient Advocacy: Survey of Nurses' Perceptions | 1,000.00 |
| ROSENTHAL, Ms. Kevyn | University of Alberta | The Effect of Context on Information Giving for Parents of Schizophrenic Children | 1,000.00 |

| Principal Investigator & Co-Investigator(s) | Affiliated Institution or Agency | Project Title | Funding $ |
|---|---|---|---|
| **STUDENT GRANTS (cont.)** | | | |
| SCHWANKE, Ms. Gwen | University of Alberta | Finding Meaning in the Lived Experience of Prenatal Genetic Diagnosis and Counselling | 1,000.00 |
| SZUMLAS, Ms. Peggy | University of Alberta | Oncology Nurses' Perceptions of Occupational Exposure to Antineoplastic Drugs | 1,000.00 |
| WHITE, Ms. Deborah | University of Alberta | Social Support and Maternal-Infant Interaction in Older Adolescent Mother-Infant Dyads | 1,000.00 |
| WHITE-MacDONALD, Ms. Eliz. | University of Alberta | Relationship Between Maternal Childhood Abuse and Maternal-Infant Interaction | 1,000.00 |
| | 20 AWARDS GRANTED | | 24,000.00 |
| | **TOTAL AWARDS GRANTED** | **33** | **280,404.00** |

# Financial Statement

## GRANTS

The Foundation was awarded a research budget of $1 million for the first five-year period beginning in the 1983/84 fiscal year. From that sum, the Board awarded grants amounting to $919,806. The success of the program was such that in 1988, the Government renewed its commitment to nursing research by providing an additional $1 million. The following table portrays grant funds awarded during the six years since the inception of the Foundation.

### Table 1: Grant Funds Awarded to March 31, 1989

| Category of Award | 1983/84 $ | 1984/85 $ | 1985/86 $ | 1986/87 $ | 1987/88 $ | 1988/89 $ | TOTAL $ |
|---|---|---|---|---|---|---|---|
| Research Project | 13,216 | 25,000 | 188,090 | 239,745 | 29,536 | 200,469 | 796,058 |
| Demonstration | 1,379 | 0 | 0 | 0 | 0 | 22,519 | 23,898 |
| Facilitation | 1,420 | 9,296 | 17,075 | 17,450 | 29,130 | 9,333 | 83,704 |
| Conference | 0 | 25,000 | 5,860 | 10,000 | 28,180 | 0 | 69,040 |
| Student Bursaries | 3,000 | 5,000 | 7,500 | 7,500 | 23,000 | 24,000 | 70,000 |
| Res. Support Services | 0 | 0 | 61,314 | 0 | 0 | 24,083 | 85,397 |
| Res. Trainee ** | 0 | 0 | 25,000 | 47,113 | 0 | 0 | 72,113 |
| **Total Funds Awarded** | **19,015** | **64,296** | **304,839** | **321,808** | **209,848** | **280,404** | **1,200,210** |

** Research Trainee Category discontinued at the end of 1986

### Table 2: Funds Awarded April 1, 1988 - March 31, 1989

| Category | Funds Awarded | | Total |
|---|---|---|---|
| | March Competition $ | October Competition $ | $ |
| Research Projects | 54,995 | 145,474 | 200,469 |
| Facilitation Grants | 4,333 | 5,000 | 9,333 |
| Demo/Evaluation Projects | 22,519 | 0 | 22,519 |
| Conferences/Workshops | 0 | 0 | 0 |
| Student Research Bursaries | 14,000 | 10,000 | 24,000 |
| Research Support Services | 24,083 | 0 | 24,083 |
| **Total Commitment** | **119,930** | **160,474** | **280,404** |

## Table 3: Statement of Administrative Expenses 1988/89

| Category | Expenditure $ |
|---|---|
| Administration Services (Purchased) | 17,789.61 |
| Travel | 11,370.64 |
| Rentals | 8,760.00 |
| Honoraria | 4,825.00 |
| Postage | 3,432.79 |
| Office Supplies | 2,434.87 |
| Telephone/Telegraph | 1,181.10 |
| Meeting Expense | 944.20 |
| Books & Periodicals | 214.46 |
| **Total Administration Expenses** | 50,952.67 |

# Appendices

## APPENDIX A

## MEMBERS OF THE BOARD OF DIRECTORS

The Board is appointed by Ministerial Order and consists of: three members representing the general public; two representatives of the University of Alberta; two representatives of the University of Calgary; one representative of the University of Lethbridge; two representatives of the Alberta Association of Registered Nurses; one representative of the Alberta Public Health Association; and one representative of the Alberta Hospital Association.

| NAME | REPRESENTING | APPOINTMENT |
|---|---|---|
| Dr. Shirley Stinson - Chair | University of Alberta | October 6, 1982 * |
| Dr. Joy Calkin - Vice-Chair | University of Calgary | Resigned June 30/88 |
| Chair | | November 26, '984 |
| Dr. Marilynn Wood | University of Alberta | July 1, 1988 |
| - Vice-Chair | | July 1, 1987 |
| | | June 30, 1988 |
| Ms. Islay Arnold | Public | October 6, 1982 |
| Ms. Sheila Embury | Public | October 29, 1987 |
| Ms. Mary Knox | Public | October 29, 1982 |
| Dr. Pamela Brink | University of Alberta | June 20, 1989 ** |
| | | Resigned June 30/88 |
| Dr. Colleen Stainton | University of Calgary | June 20, 1989 ** |
| Dr. Lorraine Wright | University of Calgary | October 15, 1985 * |
| Dr. Joanne Scholdra | University of Lethbridge | June 23, 1987 |
| Dr. Nancy Grant | Alberta Assoc. of Reg. Nurses | October 8, 1987 |
| Ms. Kathleen Oberle | Alberta Assoc. of Reg. Nurses | October 8, 1987 |
| Ms. Margaret King Collier | Alberta Public Health Association | October 6, 1982 |
| Ms. Nora Greenley | Alberta Hospital Association | May 31, 1985 |

* terms concluded during fiscal year

**new appointees during fiscal year

# Appendix B

## MEMBERS OF THE SCIENTIFIC REVIEW COMMITTEE

The Scientific Review Committee is an advisory body to the AFNR Board consisting of the Chairman who is an AFNR Board member and a minimum of three others members who are nurses actively involved in nursing research and one member from a discipline other than nursing.

| NAME | REPRESENTING |
|---|---|
| Dr. Joy Calkin, Chair (to Sept. 21/88) | University of Calgary * |
| Dr. Marilynn Wood, Chair (eff. Sept. 22/88) | University of Alberta ** |
| Dr. Sharon Ogden Burke | Queens University ** |
| Dr. Lesley Degner | University of Manitoba (Winnipeg) * |
| Dr. Eugene Edgington | University of Calgary (Non-Nurse) * |
| Dr. Ellen Hodnett | University of Toronto ** |
| Dr. Nora Keating | University of Alberta (Non-Nurse) * |
| Dr. T. O. Maguire | University of Alberta (Non-Nurse) ** |
| Dr. Shirley Murphy | University of Washington * |
| Dr. Jacqueline Peitchinis | Holy Cross Hospital, Calgary * |
| Dr. Norma Stewart | College of Nursing, Univ. Sask. ** |
| Dr. Christine Tanner | Oregon Health Sc. Univ., Portland * |

* terms concluded during fiscal year
**new appointees during fiscal year